

⌈ Add the following new claim 36 to the application: ⌋

Q 9 N- 36. (New) The antenna for a transponder according to claim 1, wherein each corner of said thin plates is reduced to form an oblique angle *N*

REMARKS

Claims 1-5, 8-12, 14-15, 17-29, 31-32 and 34-36 are pending in the above-captioned patent application, of which claims 1-5, 8-9, 11-12, 14-15, 17-26, 29, 31-32 and 34-35 have been amended. Claims 6-7, 13, 16 and 30 have been cancelled. Claim 36 is newly-added.

The title has been changed to more accurately describe Applicants' invention.

The disclosure has been objected to for various informalities which have been corrected by the aforementioned amendments. The addition of Tables 1, 2, 3 and 4 is not considered new matter because "Experiments" 1-4 disclosed on pages 11-16 of the specification specifically refer to said tables, which were inadvertently omitted during the filing of the application. This material is merely explanatory and therefore should be entered, because the claims are fully supported by pages 1-11 of the specification, which do not contain any reference to the explanatory examples contained in the "Experiments" section on pages 11-16 and in Table 1, Table 2, Table 3 and Table 4.

Claims 1-35 stand rejected under 35 USC §112, second paragraph, as indefinite.

Accordingly, claims 1-5, 8-9, 11-12, 14-15, 17-26, 29, 31-32 and 34-35 have been amended, and claim 36 has been newly-added in order to correct the noted instances of indefiniteness.

Thus, the 35 USC §112, second paragraph, rejection should be withdrawn.

Claims 1-6, 8, 19, 20 and 30 stand rejected under 35 USC §102(b) as anticipated by U.S. Patent 5,408,243 to D'Hont (hereinafter "D'Hont"), and claims 7, 9-11, 21-29 and 31 under 35 USC §103(a) as anticipated over D'Hont.

Applicants respectfully traverse this rejection.

D'Hont discloses a flat, flexible antenna to be incorporated into a badge or similar object. Fig. 6 shows a coil 38 spirally wound on a strip of wires 36. Fig. 7 shows the wires being formed into several separate stacks of flat strips 42, 44, 46 and 48.

This is in contrast to the present invention in which there is only a single stack of rectangular thin plates. Accordingly, claim 1 has been amended to recite this distinction.

Furthermore, D'Hont fails to teach, mention or suggest any relationship of the orientation of the coil and the dimensions of the rectangular flat plates forming the core, as recited in claims 1 and 30, where claim 30 depends from claim 19. Accordingly, claim 30 has been cancelled and its recitations added to claim 19.

Thus, the 35 USC §102(b) and §103(a) rejections should be withdrawn.

Claims 12-18 stand rejected under 35 USC §103(a) as unpatentable over U.S. Patent 4,937,586 to Stevens et al. (hereinafter "Stevens et al.") in view of U.S. Patent 4,879,570 to

Takizawa et al. (hereinafter "Takizawa et al.") and D'Hont. Claims 32-35 have also been rejected under 35 USC §103(a) as unpatentable over the same combination of references.

Applicants respectfully traverse these rejections.

Stevens et al. discloses a radio broadcast communication system with multiple loop antennas specifically a loop air core antenna 46 having an axis perpendicular to ferrite core antenna 48.

Takizawa et al. discloses a broadcasting wave reception antenna have a magnetic core having multiple radial projections extending on a common plane, and respective projections are provided with coils wound on them.

None of the references teaches, mentions or suggests, three antennas have mutually perpendicular axes, as recited in claims 13 and 33.

Accordingly, claims 13 and 33 have been cancelled and their recitations added to claims 12 and 32, respectively.

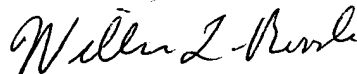
Thus, the 35 USC §103(a) rejections should be withdrawn.

In view of the aforementioned amendments and accompanying remarks, claims 1-5, 8-12, 14-15, 17-29, 31-32 and 34-36, as amended, are in condition for allowance, which action, at an early date, is requested.

In the event that this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees which may be due with respect to this paper, may be charged to Deposit Account No. 01-2340

Respectfully submitted,

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Enclosures: Tables 1, 2, 3 and 4